

**DECLARATION
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A FLEXIBLE ACCUMULATOR IN
DIGITAL SIGNAL PROCESSING CIRCUITRY**

the specification of which

☒ [X] is attached hereto

☐ [] was filed on _____ as
Application No. _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority
Claimed

<u>(Number)</u>	<u>(Country)</u>	<u>(Filing Date)</u>	<u>[]</u>	<u>[]</u>
			Yes	No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

<u>(Application No.)</u>	<u>(Filing Date)</u>
--------------------------	----------------------

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>(Application No.)</u>	<u>(Filing Date)</u>	<u>(Status) (patented, pending, abandoned)</u>
--------------------------	----------------------	--

Send correspondence to: Evelyn C. Mak
FISH & NEAVE
1251 Avenue of the Americas
New York, New York 10020-1105

Direct telephone calls to: Evelyn C. Mak
(212) 596-9000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Leon Zheng

Inventor's signature _____ Date _____


Residence 1605 Parkmoore Avenue, #105
San Jose, California 95128

Citizenship Canada

Post Office Address SAME

Full name of second inventor Martin Langhammer

Inventor's signature



Dec 15/02
Date

Residence 2 Birch Grove, Southway Alderbury,
Salsbury Wiltshire, United Kingdom SP5 3AB

Citizenship Canada

Post Office Address SAME

Full name of third inventor Nitin Prasad

Inventor's signature

Date

Residence 838 Hamilton Avenue
Milpitas, California 95035

Citizenship India

Post Office Address SAME

Full name of fourth inventor Greg Starr

Inventor's signature

Date

Residence 2681 Thrasher Lane
San Jose, California 95125

Citizenship USA

Post Office Address SAME

Full name of fifth inventor Chiao Kai Hwang

Inventor's signature _____ Date _____

Residence 2840 Park Place Common
Fremont, California 94536

Citizenship USA

Post Office Address SAME

Full name of sixth inventor Kumara Tharmalingam

Inventor's signature _____ Date _____

Residence 755 East Capitol Avenue, #L207
Milpitas, California 95035

Citizenship Canada

Post Office Address SAME

Full name of seventh inventor _____

Inventor's signature _____ Date _____

Residence _____

Citizenship _____

Post Office Address _____

174/294

**DECLARATION
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A FLEXIBLE ACCUMULATOR IN
DIGITAL SIGNAL PROCESSING CIRCUITRY

the specification of which

☒ [X] is attached hereto

☐ [] was filed on _____ as
Application No. _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

			Priority Claimed
			[] []
(Number)	(Country)	(Filing Date)	Yes No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

(Application No.)	(Filing Date)
-------------------	---------------

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

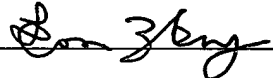
(Application No.)	(Filing Date)	(Status) (patented, pending, abandoned)
-------------------	---------------	---

Send correspondence to: Evelyn C. Mak
FISH & NEAVE
1251 Avenue of the Americas
New York, New York 10020-1105

Direct telephone calls to: Evelyn C. Mak
(212) 596-9000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Leon Zheng

Inventor's signature  12/10/03
Date

Residence 1605 Parkmoore Avenue, #105
San Jose, California 95128

Citizenship Canada

Post Office Address SAME

Full name of second inventor Martin Langhammer

Inventor's signature _____ Date _____

Residence 2 Birch Grove, Southway Alderbury,
Salsbury Wiltshire, United Kingdom SP5 3AB

Citizenship Canada

Post Office Address SAME

Full name of third inventor Nitin Prasad

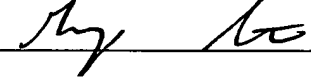
Inventor's signature _____ Date _____

Residence 838 Hamilton Avenue
Milpitas, California 95035

Citizenship India

Post Office Address SAME

Full name of fourth inventor Greg Starr

Inventor's signature  6/1/04
Date

Residence 2681 Thrasher Lane
San Jose, California 95125

Citizenship USA

Post Office Address SAME

Full name of fifth inventor Chiao Kai Hwang

Inventor's signature Chiao Kai Hwang 12-10-03
Date

Residence 2840 Park Place Common
Fremont, California 94536

Citizenship USA

Post Office Address SAME

Full name of sixth inventor Kumara Tharmalingam

Inventor's signature [Signature] 12/19/03
Date

Residence ~~755 East Capitol Avenue, #L207~~ 2200 MORRIS ST, #1810 K.T.
~~Milpitas, California 95035~~ SANTA CLARA, CA 95050

Citizenship Canada

Post Office Address SAME

Full name of seventh inventor _____

Inventor's signature _____
Date

Residence _____

Citizenship _____

Post Office Address _____

174/294

**DECLARATION
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A FLEXIBLE ACCUMULATOR IN
DIGITAL SIGNAL PROCESSING CIRCUITRY

the specification of which

☒ [X] is attached hereto

☐ [] was filed on _____ as
Application No. _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

			<u>Priority Claimed</u>	
			[]	[]
(Number)	(Country)	(Filing Date)	Yes	No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

(Application No.)	(Filing Date)
-------------------	---------------

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application No.)	(Filing Date)	(Status) (patented, pending, abandoned)
-------------------	---------------	---

Send correspondence to: Evelyn C. Mak
FISH & NEAVE
1251 Avenue of the Americas
New York, New York 10020-1105

Direct telephone calls to: Evelyn C. Mak
(212) 596-9000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Leon Zheng

Inventor's signature _____ Date _____

Residence 1605 Parkmoore Avenue, #105
San Jose, California 95128

Citizenship Canada

Post Office Address SAME

Full name of second inventor Martin Langhammer

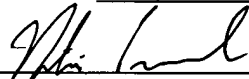
Inventor's signature _____ Date _____

Residence 2 Birch Grove
Alderbury, Wiltshire, United Kingdom SP5 3AB

Citizenship Canada

Post Office Address SAME

Full name of third inventor Nitan Prasad

Inventor's signature  JAN 21st 2004
Date

Residence 838 Hamilton Avenue
Milpitas, California 95035

Citizenship India

Post Office Address SAME

Full name of fourth inventor Greg Starr

Inventor's signature _____ Date _____

Residence 2681 Thrasher Lane
San Jose, California 95125

Citizenship USA

Post Office Address SAME

Full name of fifth inventor William Hwang

Inventor's signature _____ Date _____

Residence 2840 Park Place Common
Fremont, California 94536

Citizenship USA

Post Office Address SAME

Full name of sixth inventor Kumara Tharmalingam

Inventor's signature _____ Date _____

Residence 755 East Capitol Avenue, #L207
Milpitas, California 95035

Citizenship Canada

Post Office Address SAME

Full name of seventh inventor _____

Inventor's signature _____ Date _____

Residence _____

Citizenship _____

Post Office Address _____

PATENTS
174/294

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicants : Leon Zheng et al.
Filed : Herewith
For : A FLEXIBLE ACCUMULATOR IN
DIGITAL SIGNAL PROCESSING CIRCUITRY

POWER OF ATTORNEY BY ASSIGNEE

Under the provisions of 37 C.F.R. § 3.71, the undersigned assignee of record, by virtue of an assignment submitted concurrently herewith for recording, of the above-identified patent application, hereby elects to conduct the prosecution of the above-identified patent application to the exclusion of the inventors. The assignee hereby revokes any powers of attorney previously granted and appoints Derek E. Minihane, Reg. No. 39,774, Robert R. Jackson, Reg. No. 26,183, Jeffrey H. Ingerman, Reg. No. 31,069, and Evelyn C. Mak, Reg. No. 50,492, its attorneys and agent, with power of substitution, and with power of appointment of associate attorneys, and of revocation of their powers, to prosecute this application and any divisions, continuations in whole or in part, renewals and reissues of the same, and to transact all business in the Patent and Trademark Office connected therewith;

and assignee requests that communications be sent to:

Evelyn C. Mak
Fish & Neave
Customer No. 36981
1251 Avenue of the Americas
New York, New York 10020-1105

and that telephone calls be directed to:

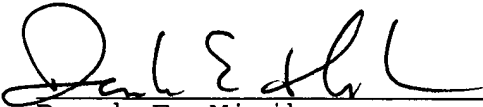
Evelyn C. Mak
(212) 596-9000.

The undersigned hereby certifies that the evidentiary documents have been reviewed and, to the best of the undersigned's knowledge and belief, title is in assignee.

The undersigned hereby declares that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

ALTERA CORPORATION
ASSIGNEE

1/30/04
Date

By: 
Derek E. Minihaue
Director, Intellectual
Property Law
and Assistant Secretary